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Attachment to Z-15784/82

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NPIC/IEG (7/82)

23 JULY 1982

**PROBABLE SYRIAN COUNTER-ANTIRADIATION MISSILE TACTICS**  
**SYRIA-LEBANON BORDER SAM SITE S25**

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1. (S/D) **SIGNIFICANCE:** PROBABLE SYRIAN TACTICS TO COUNTER THE ISRAELI ANTIRADIATION MISSILE (ARM) THREAT HAVE BEEN IDENTIFIED.

2. (S/D) **REMARKS:** [REDACTED] THE PRESENCE OF TWO SA-6 SURFACE-TO-AIR MISSILE (SAM) - ASSOCIATED STRAIGHT FLUSH TRACKING AND GUIDANCE RADARS AT AN OCCUPIED SAM SITE NEAR THE SYRIA-LEBANON BORDER. THE TWO STRAIGHT FLUSH RADARS, DEPLOYED 95 METERS APART, WERE AT SYRIA-LEBANON BORDER SAM SITE S25. A NORMAL COMPLEMENT OF FOUR SA-6 TRANSPORTER-ERECTOR-LAUNCHERS WERE ALSO DEPLOYED AT THE SITE. THE HIGHLY UNUSUAL DEPLOYMENT OF THESE TWO RADARS AT ONE SITE SUGGESTS THAT THE SYRIANS, PROBABLY WITH SOVIET GUIDANCE, HAVE EMPLOYED TACTICS TO COUNTER THE ISRAELI ARM WHICH WAS SO SUCCESSFUL AGAINST SYRIAN SAM BATTALIONS DURING THE ATTACKS OF 9 TO 11 JUNE.

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(S/D) **ANALYST'S COMMENTS:** THE DEPLOYMENT OF THE TWO STRAIGHT FLUSH RADARS SUGGEST A SYRIAN ATTEMPT TO INDUCE AN EFFECT, DESIGNED TO CONFUSE AN INCOMING MISSILE, TERMED "ARM CENTROID HOMING", IN THE EVENT OF ANOTHER ISRAELI ATTACK ON SYRIAN SAM SITES. "ARM CENTROID HOMING" IS INDUCED WHEN TWO TRACKING AND GUIDANCE RADARS, IN CLOSE PROXIMITY TO ONE ANOTHER, EMIT SIMULTANEOUSLY OR ALTERNATELY (BLINK). IN THEORY, THESE CONDITIONS MAY CAUSE AN INCOMING MISSILE TO IMPACT BETWEEN THE TWO RADARS RATHER THAN ON ONE OR THE OTHER.

(SECRET [REDACTED] COLLATERAL SOURCES HAVE REVEALED THAT NO STRAIGHT FLUSH RADAR EMISSIONS HAVE BEEN INTERCEPTED FROM SITE S25 TO DATE. THIS SUGGESTS A SYRIAN INTENTION TO DENY THE ISRAELIS THE SPECIFIC AND UNIQUE

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NPIC/IEG (7/82)

23 JULY 1982

RADAR PARAMETERS OF THE TWO STRAIGHT FLUSH RADARS AT SITE SITE S25. IN THE PAST, OBTAINING SPECIFIC AND UNIQUE PARAMETERS OF SYRIAN MISSILE-RELATED RADARS ENABLED THE ISRAELIS TO "FINGERPRINT" EACH RADAR, THEREBY ENHANCING THE EFFECTIVENESS OF THE MISSILES DURING THE STRIKES.

(S/D) TO DATE, THE PROBABLE SYRIAN TACTIC TO INDUCE "ARM CENTROID HOMING" HAS ONLY BEEN OBSERVED AT THIS SITE. A FUTURE INCREASED APPLICATION OF THIS TECHNIQUE, ALONG WITH A CONTINUING DENIAL OF SPECIFIC TRACKING AND GUIDANCE RADAR "FINGERPRINTS", COULD ENHANCE THE SURVIVABILITY OF SYRIAN SAM ASSETS. [REDACTED]

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3. (S) [REDACTED] COORDINATES 33-45-20N 036-00-53E

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4. (S) [REDACTED] COLLATERAL REFERENCES: NSA  
TELECON, 22 JUL 82  
INTERNATIONAL COUNTERMEASURES HANDBOOK (1981-1982 (U)

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